

10/528,700

=> s 12 and py<2002

661 L2

21897432 PY<2002

L3

487 L2 AND PY<2002

=> s 13 and surfactant

192448 SURFACTANT

172493 SURFACTANTS

244891 SURFACTANT

(SURFACTANT OR SURFACTANTS)

L4

5 L3 AND SURFACTANT

=> d 14 ibib hitstr abs 1-5

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:785905 CAPLUS

DOCUMENT NUMBER: 135:332758

TITLE: Alkali- and biodegradable surfactants and emulsifiers

INVENTOR(S): Horibe, Mineko; Suzuki, Kaoru; Ogura, Eiji; Yamamoto,

Nobuyuki

PATENT ASSIGNEE(S): Lion Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001300286	A	20011030	JP 2000-118929	20000420

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PRIORITY APPLN. INFO.: JP 2000-118929 20000420

OTHER SOURCE(S): MARPAT 135:332758

IT 85976-40-5P, 4-Butyloxymethyl-1,3-dioxolane-2-one

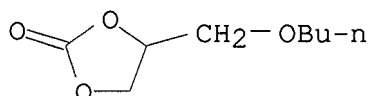
175540-36-0P, 4-Octyloxymethyl-1,3-dioxolane-2-one

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(alkali- and biodegradable dioxolanone derivs. for surfactants and emulsifiers for emulsion polymerization and cosmetics)

RN 85976-40-5 CAPLUS

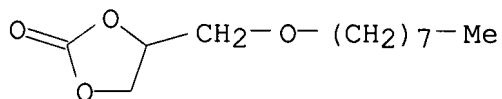
CN 1,3-Dioxolan-2-one, 4-(butoxymethyl)- (CA INDEX NAME)



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RN 175540-36-0 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(octyloxy)methyl]- (9CI) (CA INDEX NAME)

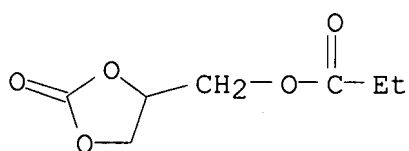


IT 125399-83-9 136322-51-5, 4-Decyloxymethyl-1,3-dioxolane-  
2-one 199869-06-2 307949-17-3 370094-15-8  
370094-16-9 370094-17-0 370094-18-1

RL: MOA (Modifier or additive use); USES (Uses)  
(alkali- and biodegradable dioxolanone derivs. for surfactants  
and emulsifiers for emulsion polymerization and cosmetics)

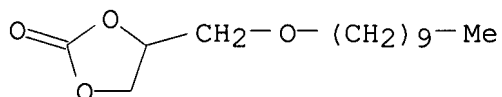
RN 125399-83-9 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(1-oxopropoxy)methyl]- (CA INDEX NAME)



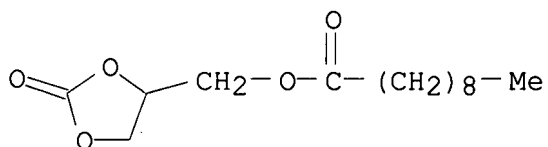
RN 136322-51-5 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(decyloxy)methyl]- (9CI) (CA INDEX NAME)



RN 199869-06-2 CAPLUS

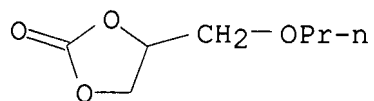
CN Decanoic acid, (2-oxo-1,3-dioxolan-4-yl)methyl ester (9CI) (CA INDEX NAME)



RN 307949-17-3 CAPLUS

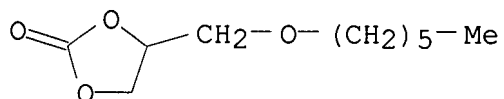
CN 1,3-Dioxolan-2-one, 4-(propoxymethyl)- (9CI) (CA INDEX NAME)

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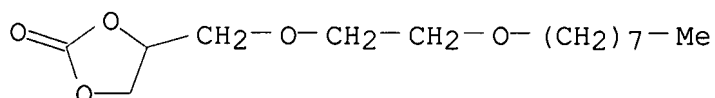
RN 370094-15-8 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[(hexyloxy)methyl]- (9CI) (CA INDEX NAME)



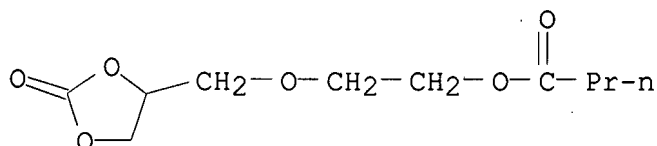
RN 370094-16-9 CAPLUS

CN 1,3-Dioxolan-2-one, 4-[[2-(octyloxy)ethoxy]methyl]- (9CI) (CA INDEX NAME)



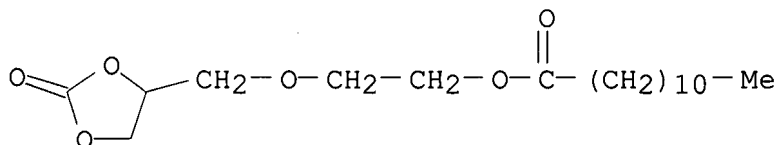
RN 370094-17-0 CAPLUS

CN Butanoic acid, 2-[(2-oxo-1,3-dioxolan-4-yl)methoxy]ethyl ester (9CI)  
(CA INDEX NAME)



RN 370094-18-1 CAPLUS

CN Dodecanoic acid, 2-[(2-oxo-1,3-dioxolan-4-yl)methoxy]ethyl ester (9CI)  
(CA INDEX NAME)



AB Derivs. of 1,3-dioxolane-2-one are prepared and used as emulsifiers in polymerization and cosmetics. Thus, glycerin 1-octyl ether 184, di-Me carbonate